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EUROPEAN PATENT APPLICATION

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A 61 B 5/05, G 01 F 1/62,
A 61 B 5/02

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Bulletin 84/33

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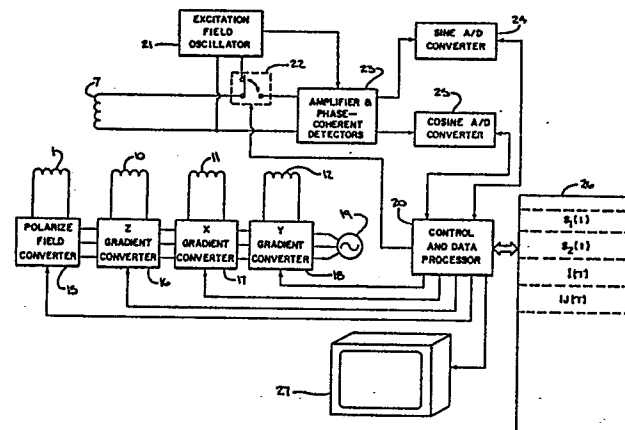
⑦① Applicant: **WISCONSIN ALUMNI RESEARCH**
FOUNDATION, Post Office Box 7365 614 North Walnut,
Madison, WI 53707 (US)

⑦② Inventor: **Moran, Paul R., 118 Cedar Lake Trail,**
Winston-Salem North Carolina 27104 (US)

⑦④ Representative: **Lippert, Hans, Dipl.-Ing. et al, Reichel**
und Reichel Parkstrasse 13, D-6000 Frankfurt
(Main) 1 (DE)

⑤④ **NMR scanner with motion zeugmatography.**

⑤⑦ An NMR zeugmatographic scanner is modified to produce flow images. A motion sensitizing gradient field is applied to the gyromagnetic nuclei after transverse excitation and prior to emission measurement. The motion sensitized free induction decay signal which results is processed using an inverse Fourier transformation to produce a number of useful images.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
E	EP-A-0 103 388 (PICKER INTERNATIONAL LTD.) * Figure 3; page 5, line 16 - page 6, line 25 *	1,7,10 ,14	G 01 N 24/08 G 01 N 24/10 A 61 B 5/05 G 01 F 1/62 A 61 B 5/02
A	--- IEEE TRANSACTIONS ON NUCLEAR SCIENCE, vol. NS-27, no. 3, June 1980, New York, USA; J.R. SINGER "Blood flow measurements by NMR of the intact body", pages 1245-1249 * Page 1246, chapter 3 *	1,7,10	
A	--- MEDICAL PHYSICS, vol. 8, no. 4, July/August 1981, New York, USA; R.E. HALBACH et al. "The NMR blood flowmeter-design", pages 444-451 * Page 446, left-hand column, first paragraph; pages 448-449, chapters IV,V *	1,10	
A	--- JOURNAL OF PHYSICS.E, vol. 11, no. 4, April 1978, Great Britain; J.R. SINGER "NMR diffusion and flow measurements and an introduction to spin phase graphing", pages 281-291 * Pages 287-290, chapters 10,11 *	1,7,10	TECHNICAL FIELDS SEARCHED (Int. Cl. 3) A 61 B 5/00 G 01 N 24/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 30-01-1985	Examiner DEVEZA R.R.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			





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A	MEDICAL PHYSICS, vol. 8, no. 4, July/August 1981, New York, USA; S. SALLES-CUNHA "NMR blood flowmeter-applications", pages 452-458 * Whole document * -----	7,10	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
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